

CPC**COOPERATIVE PATENT CLASSIFICATION****A01J**

MANUFACTURE OF DAIRY PRODUCTS (preservation, pasteurisation, sterilisation of milk products A23; for chemical matters, see subclass A23C)

Milking (milking stations [A01K 1/12](#))

A01J 1/00

Devices or accessories for milking by hand (milking stools [A47C 9/04](#))

A01J 3/00

Milking with catheters

A01J 5/00

Milking machines or devices ([A01J 1/00](#), [A01J 3/00](#) take precedence)

A01J 5/003

. Movable milking machines

A01J 5/007

. Monitoring milking processes; Control or regulation of milking machines

A01J 5/0075

.. {with a specially adapted stimulation of the teats}

A01J 5/01

.. Milkimeters; Milk flow sensing devices {(air or gas separators in combination with liquid meters [G01F 15/08](#))}

A01J 5/013

. On-site detection of mastitis in milk

A01J 5/0131

.. {by analysing the milk composition, e.g. concentration or detection of specific substances}

A01J 5/0132

... {using a cell counter}

A01J 5/0133

.. {by using electricity, e.g. conductivity or capacitance}

A01J 5/0134

.. {by using filters or decanters}

A01J 5/0135

.. {by using light, e.g. light absorption or light transmission}

A01J 5/0136

.. {by using milk flow characteristics, e.g. differences between udder quarters or differences with previous milking runs}

A01J 5/0137

.. {by using sound, e.g. ultrasonic detection}

A01J 5/0138

.. {by using temperature}

A01J 5/017

. Automatic attaching or detaching of clusters

A01J 5/0175

.. {Attaching of clusters}

A01J 5/02

. with mechanical manipulation of teats

A01J 5/04

. with pneumatic manipulation of teats

A01J 5/041

.. {Milk claw}

A01J 5/042

.. {Milk releaser}

A01J 5/044

.. {Milk lines or coupling devices for milk conduits}

A01J 5/045

.. {Taking milk-samples (sampling in general [G01N 1/00](#))}

- A01J 5/047 . . {Vacuum generating means, e.g. by connecting to the air-inlet of a tractor engine (vacuum pumps [F04](#))}
- A01J 5/048 . . . {Vacuum regulators}
- A01J 5/06 . . Teat-cups with one chamber
- A01J 5/08 . . Teat-cups with two chambers
- A01J 5/10 . . Pulsators arranged otherwise than on teat-cups
- A01J 5/12 . . . with membranes
- A01J 5/14 . . . electromagnetically controlled
- A01J 5/16 . . Teat-cups with pulsating devices

A01J 7/00 **Accessories for milking machines or devices**

- A01J 7/005 . {Automatic vacuum shutoff at the end of milking}
- A01J 7/02 . for cleaning or sanitising milking machines or devices (cleaning of pipes or tubes or systems of pipes or tubes [B08B 9/02](#))
- A01J 7/022 . . {Clean-in-Place Systems, i.e. CIP, for cleaning the complete milking installation in place}
- A01J 7/025 . . {Teat cup cleaning, e.g. by rinse jetters or nozzles}
- A01J 7/027 . . {Vessel cleaning, e.g. cleansing of milk tanks, milk vessels or milk separators}
- A01J 7/04 . for treatment of udders or teats, e.g. for cleaning

A01J 9/00 **Milk receptacles (containers in general [B65D](#); devices for tilting and emptying of containers [B65G 65/23](#))**

- A01J 9/02 . with straining or filtering devices
- A01J 9/04 . with cooling arrangements
- A01J 9/06 . with self-closing valve
- A01J 9/08 . Holding or supporting devices for milking receptacles
- A01J 9/10 . Milking pails connected with milking stools

Treatment of milk or cream

A01J 11/00 **Apparatus for treating milk (preserving or sterilising [A23C](#))**

- A01J 11/02 . Appliances for preventing or destroying foam (preventing boiling-over of milk in kitchen cooking vessels [A47J 27/56](#); preventing foaming in boiling apparatus [B01B 1/02](#))
- A01J 11/04 . Appliances for aerating or de-aerating milk (milk centrifuges [B04B](#))
- A01J 11/06 . Strainers or filters for milk (filtering materials [B01D](#))
- A01J 11/08 . . Holders for strainers or cloth filters

- A01J 11/10 . Separating milk from cream ([milk centrifuges B04B](#))
- A01J 11/12 . . Appliances for removing cream
- A01J 11/14 . . . by raising the level of the milk

- A01J 11/16 . Homogenising milk ([homogenising in general B01F](#))

A01J 13/00 Tanks for treating cream

A01J 15/00 Manufacturing butter

- A01J 15/02 . Stationary churns with beating equipment
- A01J 15/04 . Rotating or oscillating churns
- A01J 15/06 . . with beating equipment which is movable in respect of the churn wall
- A01J 15/08 . . without beating equipment which is movable in respect of the churn wall
- A01J 15/10 . Devices for manufacturing butter other than by churns
- A01J 15/12 . . with arrangements for making butter in a continuous process
- A01J 15/14 . Churns with arrangements for making butter by blowing-in air
- A01J 15/16 . Details; Accessories
- A01J 15/18 . . Devices for de-aerating
- A01J 15/20 . . Incorporation of revolution counters; Incorporation of alarm devices
- A01J 15/22 . . Lids or covers for butter churns
- A01J 15/24 . . Beaters for butter churns
- A01J 15/25 . . Means for removing butter from churns or the like ([pumps therefor F04](#))
- A01J 15/26 . Combined appliances for separating, churning and kneading
- A01J 15/28 . Driving mechanisms

Kneading or forming butter; Kneading or forming margarine or butter substitutes

- A01J 17/00 Kneading machines for butter, or the like** ([mixing or kneading machines for the preparation of dough A21C 1/00](#))

A01J 19/00 Hand devices for forming slabs of butter, or the like

A01J 21/00 Machines for forming slabs of butter, or the like

- A01J 21/02 . with extruding arrangements and cutting devices, with or without packing devices

A01J 23/00 **Devices for dividing bulk butter, or the like****Cheese-making****A01J 25/00** **Cheese-making** (coating the cheese [A01J 27/02](#))

- A01J 25/001 . {in basins}
- A01J 25/002 . {continuously}
- A01J 25/004 . {by filling curd into permanent containers, i.e. for sale of the final product}
- A01J 25/005 . {with salting the curd}
- A01J 25/007 . {Apparatus for making soft unripened cheese, e.g. cottage or cream cheese}
- A01J 25/008 . {Apparatus for making soft uncured Italian cheese, e.g. Mozzarella, Ricotta, Pasta Filata cheese}
- A01J 25/02 . Cheese basins
- A01J 25/04 .. Devices for cleaning cheese basins
- A01J 25/06 . Devices for dividing curdled milk
- A01J 25/08 . Devices for removing cheese from basins
- A01J 25/10 . Devices for removing whey from basins
- A01J 25/11 . Separating whey from curds; Washing the curds
- A01J 25/111 .. {by continuous separation}
- A01J 25/112 ... {in cylinders}
- A01J 25/114 ... {on endless belts}
- A01J 25/115 .. {by discontinuous separation}
- A01J 25/117 .. {Filter design}
- A01J 25/118 .. {Washing the curds}
- A01J 25/12 . Forming the cheese
- A01J 25/123 .. {Removing cheese from moulds}
- A01J 25/126 .. {Cleaning cheese making equipment (cleaning milking machines [A01J 7/02](#))}
- A01J 25/13 .. Moulds therefor
- A01J 25/15 .. Presses therefor
- A01J 25/16 . Devices for treating cheese during ripening
- A01J 25/162 .. {for storing or turning of cheese}
- A01J 25/165 .. {Cold-storage rooms or ventilation systems for stocked cheese}

A01J 25/167 . . {for salting cheese}

A01J 27/00 After-treatment of cheese; Coating the cheese

A01J 27/005 . {Marking cheese}

A01J 27/02 . Coating the cheese, e.g. with paraffin wax (applying liquids or other fluent materials to surfaces in general [B05](#))

A01J 27/04 . Milling or recasting cheese

A01J 27/045 . . {Multilayer cheese}

A01J 99/00 Subject matter not provided for in other groups of this subclass